

**Project Proposal to the U.S. Army Corps of Engineers**  
**CALFED Levee System Integrity Program**

February 2006

RD2044

**Project Name:** King Island PL-99 Levee Rehabilitation Project.

**Purpose:** The purpose of the project is to increase the level of protection of the lands and inhabitants of King Island, San Joaquin County, to an acceptable standard.

**Location:** The project is located on King Island, San Joaquin County, along Eight Mile Road west of Interstate 5. (Plate 1). King Island is protected by levees along White Slough, Bishop Cut, Disappointment Slough, and Honker Cut. These 9.0 miles of levees protect 3,260 acres. (Plate 2).

**Problems:** King Island's current levee system has been rehabilitated and continues to be maintained at the FEMA Short-term Hazard Mitigation Plan minimum standards. In addition, Reclamation District No. 2044 has also placed levee fill material along approximately three miles of levee in order to flatten the slope in preparation of future rehabilitation to the PL-99 standard. The 2000 CALFED Levee Rehabilitation Study estimated that it would cost \$12.7 + million to rehabilitate King Island's levees to the PL-99 standards. Without financial assistance, the District cannot undertake this size project. However, since additional work has been performed at the levees since 2000, the District is confident that the actual total cost of PL-99 rehabilitation will be less.

**Opportunities:** As stated above, the District has begun rehabilitation to PL-99 standards; and therefore, the proposed project is an extremely rare opportunity to complete the project and raise 9.0 miles of levee above the PL-99 standards, in accordance with the CALFED record of decision.

**Project Description:** The project would consist of exploratory geotechnical evaluation to determine existing levels of stability and provide design criteria for improvement of the levee system to meet the PL-99 requirements. The second phase of the project would be to design and construct these improvements to rehabilitate all 9.0 miles of Reclamation District No. 2044 to the PL-99 standards. King Island is located on the eastern edge of the Sacramento San Joaquin Delta; and although suitable borrow material for this rehabilitation may not be available within its boundaries, it is certainly situated very close to areas to the east where borrow material will be available at a reasonable price.

**Statement of Willingness and Ability to Cost Share:** Reclamation District No. 2044 has been an active participant in the Delta Levees Subventions Program for many years. In this regard, the District is comfortable with cost sharing with a governmental entity. However, the District's resources are limited and will be limited in what it can contribute.

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**Scoping & Screening Information:**

- In your opinion, what is the urgency for your proposed project? Is there an imminent threat to life, property, critical habitat, or other prominent resource?

*Although the King Island levee meets the minimum short-term standards of the Hazard Mitigation Plan, it does not meet any established level of protection. The urgency in the project consists of the fact that the 1990 census determined that 195 people live on King Island. In addition, a marina exists on the west side of the island, which relies on the levee.*

- Would there be a change in the magnitude, frequency, or duration of flood flows in other areas of the levee system as a result of the potential project?

*At this time, it is not known what level of protection the levees of King Island provide. This project would determine that level and increase the level in accordance with PL-99 standards.*

- What would the proposed project do to address flooding, ecosystem, water supply and quality, and other problems and needs locally and regionally?

*As stated above, the project would provide additional benefits to the inhabitants and habitat located within the boundaries of Reclamation District No. 2044.*

- Are there non-structural or other ways to address flooding, ecosystem, water supply and quality, and other problems in the potential project area; and if so, what are they?

*At this time, there are no non-structural alternatives to address the increased level of protection that the levees provide.*

- Who and/or what would benefit from the potential project?

*The Project would benefit the lands within King Island and its 195 inhabitants. These lands provide mostly agricultural benefits, which include row crops. The levees protect approximately 2.5 miles of County Road, which would benefit from the protection. There are also several natural gas wells and associated transmission pipelines that would benefit from the project. A future pipeline supplying the City of Stockton with water is being planned.*

- What is the likely Federal, State and local agency support?

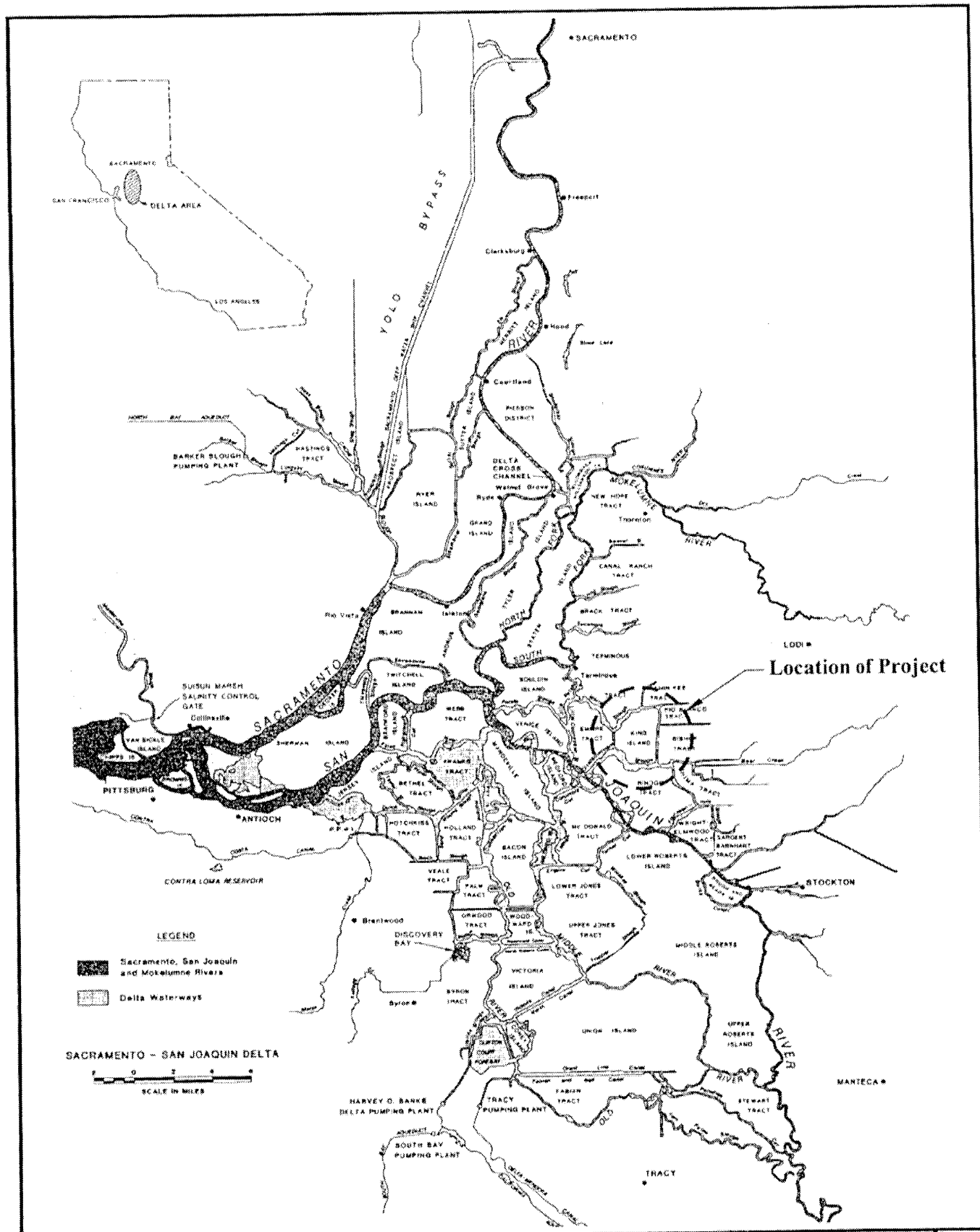
*It is anticipated that State support would come from the Department of Water Resources Delta Levee Subventions Program. Local support would also come from the landowners and trustees who represent Reclamation District No. 2044, King Island.*

- Are there any known challenges or obstacles that may delay rapid development and implementation of your potential project?

*At this time, there are no known challenges or obstacles that would delay rapid development and implementation of the project. At this time, it is unknown what their local cost share would be; and therefore, there may be some issues on the timing of their cost share participation.*

- Is your agency ready, willing, and able to serve as a non-Federal sponsor for this potential project, and able to provide required cost-sharing and other assurances?

*Reclamation District No. 2044 is willing to serve as the non-Federal sponsor for any potential projects on the island that would reduce the flood risk and protect the property and inhabitants of King Island.*



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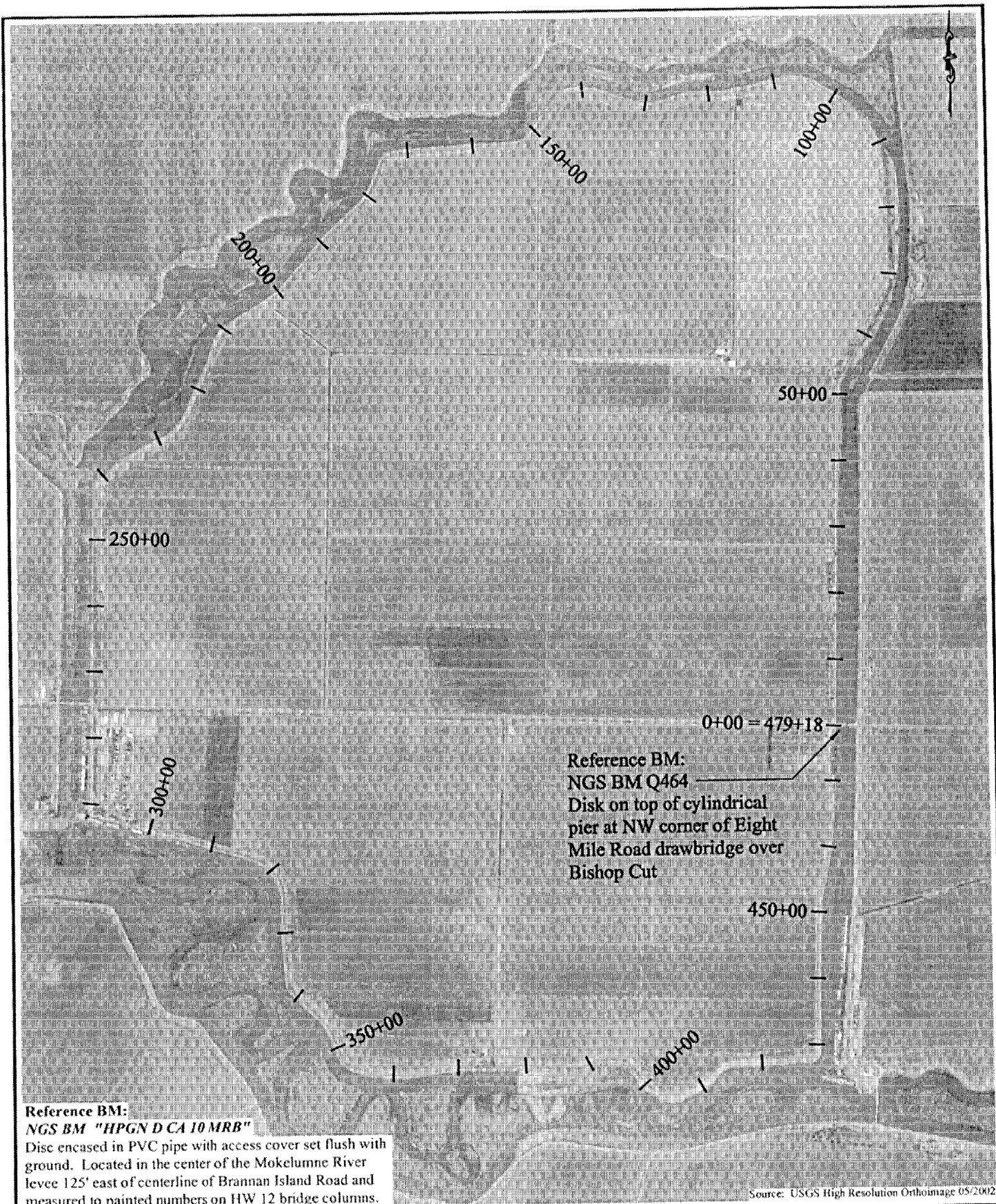
Reclamation District No. 2044  
King Island

## VICINITY MAP

SCALE 1" = 7 miles  
JOB NUMBER 4375-50  
DRAWN BY TDR  
DATE May 2001

Bar Length On Original Drawing Equals  
One Inch. Adjust Scale Accordingly

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Reclamation District No. 2044 - King Island

## DISTRICT AERIAL MAP

SCALE: 1" = 2000'  
JOB NUMBER: 4175 SO  
DRAWN BY: TDR  
DATE: November 2004  
Bar Length On Original Drawing Equals  
One Inch. Adjust Scale Accordingly

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